

Title (en)

METHOD FOR PRODUCING ESTERIFIED ASTAXANTHIN FROM ESTERIFIED ZEAXANTHIN

Title (de)

VERFAHREN ZUR HERSTELLUNG VON VERESTERTEM ASTAXANTHIN AUS VERESTERTEM ZEAXANTHIN

Title (fr)

PROCEDE DE PRODUCTION D'ASTAXANTHINE ESTERIFIEE A PARTIR DE ZEAXANTHINE ESTERIFIEE

Publication

EP 1563081 A2 20050817 (EN)

Application

EP 03809947 A 20031014

Priority

- US 0332681 W 20031014
- US 42162302 P 20021025

Abstract (en)

[origin: WO2004039991A2] A method is described for preparing astaxanthin esters from zeaxanthin by acylation of zeaxanthin with an acylating agent followed by contacting the esterified zeaxanthin with an oxidizing agent to produce esterified astaxanthin. The astaxanthin esters are more stable and show a better bioavailability than free astaxanthin when used in salmonid pigmentation.

IPC 1-7

C12P 1/00

IPC 8 full level

C07C 35/08 (2006.01); **C07C 35/18** (2006.01); **C07C 53/00** (2006.01); **C07C 67/02** (2006.01); **C07C 69/03** (2006.01); **C07C 69/66** (2006.01); **C07C 69/76** (2006.01); **C07C 403/24** (2006.01); **C12P 1/00** (2006.01)

IPC 8 main group level

C12P (2006.01)

CPC (source: EP US)

C07C 403/24 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004039991 A2 20040513; **WO 2004039991 A3 20040708**; AU 2003277393 A1 20040525; AU 2003277393 A8 20040525; CN 1703392 A 20051130; EP 1563081 A2 20050817; EP 1563081 A4 20051026; MX PA05004237 A 20050705; US 2004158097 A1 20040812; US 7291749 B2 20071106

DOCDB simple family (application)

US 0332681 W 20031014; AU 2003277393 A 20031014; CN 200380101317 A 20031014; EP 03809947 A 20031014; MX PA05004237 A 20031014; US 68519403 A 20031014